VIII. *Two Letters from the Rev.* Henry Miles *F. R. S. D. D. to Mr.* Henry Baker *F.R.S. concerning the* Heat *of the* Weather *in* July *and* September *laſt.*

I.

Dear Sir,

Read Nov. 22. 1750. I SEND you a brief Account of the State of the Weather, in this Place, on the 11th Inſtant, when the remarkable Storm happened; which, if you think fit, may be communicated to the *Royal Society*, when they meet; as there will probably be other Particulars relating to it ſent in.

The Morning at 4 had nothing remarkable: At 2 *p. m.* the Heavens moſtly clear, and no Indications of a Storm; the Barometer having fallen but $\frac{6}{100}$ Inch ſince 4 *a. m.* it then ſtood at 30, 20. the Thermometer at $87\frac{1}{2}$, and before 3 *p. m.* at $88\frac{1}{2}$, which is the hotteſt Temperature of the Air I ever knew.

At 4 *p. m.* we had very diſtant Thunder; ſoon after it came a little nearer, and was one continued Murmur, without any perceivable Intermiſſion for great Part of an Hour: The Lightning accompanying it, not much. The Wind was nearly S. W. and dark Clouds paſſed by on each Side of us till they united in the N. forming one of the blackeſt Clouds I ever ſaw, over the City, as near as I could gueſs. We had not one Drop of Rain, nor did there fall either Rain or Hail for near 3 Miles to the N. of us towards *London:* A few Hail-ſtones, I am informed, fell in ſome Parts of *Clapham*; what the

of the Storm might be on other Sides of the City I have not heard.

By the Obſervation I made, there did not appear any conſiderable Change in the State of the Air, as to the Weight or Heat of it. The Barometer fell little, and the Thermometer no more than uſual at that time of the Evening. Mr. *Canton* writes me, that his Thermometer in *Spital Square* (of the ſame Conſtruction with mine, and kept too in the open Air) fell no leſs than 17 Degrees. I am,

Tooting, July 18, 1750.

Dear Sir,

Your, and the Royal Society's,

moſt obedient, and

moſt humble Servant,

H. Miles.

II.

Tooting, September 2, 1750.

AT 4 *a. m.* the Wind being eaſterly, and blowing ſtrong, accompanied with ſeveral ſhort Showers of Rain, the Barometer being at 29,97, I obſerved my Thermometer abroad to ſtand at 61: A Degree of Heat exceeding any I have taken notice of during the whole Summer at that time of the Morning.

H. Miles.

IX.